

## Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: <u>10700,971</u>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use <b>space characters</b> , instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO: X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION: SEQ ID NO: X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 _____ Use of <220>	Sequence(s) _____ missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n/Xaa	"n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid	



IFWO

## RAW SEQUENCE LISTING

DATE: 11/17/2003

PATENT APPLICATION: US/10/700,971

TIME: 09:59:22

Input Set : A:\ISIC0009-101.txt

Output Set: N:\CRF4\11172003\J700971.raw

3 <110> APPLICANT: Manoharan, Muthiah  
 4 Baker, Brenda  
 5 Eldrup, Ann  
 6 Bhat, Balkrishen  
 7 Griffey, Richard H.  
 8 Swayze, Eric E.  
 9 Crooke, Stanley T.  
 12 <120> TITLE OF INVENTION: Conjugated Oligomeric Compounds and Their Use in Gene  
 13 Modulation  
 15 <130> FILE REFERENCE: ISIC-0009-101  
 C--> 17 <140> CURRENT APPLICATION NUMBER: US/10/700,971  
 C--> 17 <141> CURRENT FILING DATE: 2003-11-04  
 17 <150> PRIOR APPLICATION NUMBER: US 10/616,241  
 18 <151> PRIOR FILING DATE: 2003-07-09  
 20 <150> PRIOR APPLICATION NUMBER: US 60/423,760  
 21 <151> PRIOR FILING DATE: 2002-11-05  
 23 <150> PRIOR APPLICATION NUMBER: US 10/078,949  
 24 <151> PRIOR FILING DATE: 2002-02-20  
 26 <150> PRIOR APPLICATION NUMBER: US 09/479,783  
 27 <151> PRIOR FILING DATE: 2000-01-07  
 29 <150> PRIOR APPLICATION NUMBER: US 08/870,608  
 30 <151> PRIOR FILING DATE: 1997-06-06  
 32 <150> PRIOR APPLICATION NUMBER: US 08/659,440  
 33 <151> PRIOR FILING DATE: 1996-06-06  
 36 <160> NUMBER OF SEQ ID NOS: 26  
 38 <170> SOFTWARE: PatentIn version 3.2  
 40 <210> SEQ ID NO: 1  
 41 <211> LENGTH: 16  
 42 <212> TYPE: PRT  
 43 <213> ORGANISM: Artificial Sequence  
 45 <220> FEATURE:  
 46 <223> OTHER INFORMATION: (Peptide) insufficient explanation. Give source of  
 48 <400> SEQUENCE: 1  
 50 Arg Gln Ile Lys Ile Trp Phe Gln Asn Arg Arg Met Lys Trp Lys Lys  
 51 1 5 10 15  
 55 <210> SEQ ID NO: 2  
 56 <211> LENGTH: 13  
 57 <212> TYPE: PRT  
 58 <213> ORGANISM: Artificial Sequence  
 60 <220> FEATURE:  
 61 <223> OTHER INFORMATION: (Peptide)  
 63 <400> SEQUENCE: 2  
 65 Gly Arg Lys Lys Arg Arg Gln Arg Arg Arg Pro Pro Gln

pp 1-5

Give source of  
 genetic  
 material.  
 (see item 11  
 on Error  
 Summary sheet)

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Input Set : A:\ISIC0009-101.txt

Output Set: N:\CRF4\11172003\J700971.raw

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66 1          5          10
69 <210> SEQ ID NO: 3
70 <211> LENGTH: 27
71 <212> TYPE: PRT
72 <213> ORGANISM: Artificial Sequence
74 <220> FEATURE:
75 <223> OTHER INFORMATION: Peptide
77 <400> SEQUENCE: 3
79 Gly Trp Thr Leu Asn Ser Ala Gly Tyr Leu Leu Gly Pro Ile Asn Leu
80 1          5          10          15
82 Lys Ala Leu Ala Ala Leu Ala Lys Lys Ile Leu
83          20          25
86 <210> SEQ ID NO: 4
87 <211> LENGTH: 34
88 <212> TYPE: PRT
89 <213> ORGANISM: Artificial Sequence
91 <220> FEATURE:
92 <223> OTHER INFORMATION: Peptide - HSV VP22
94 <400> SEQUENCE: 4
96 Asp Ala Ala Thr Ala Thr Arg Gly Arg Ser Ala Ala Ser Arg Pro Thr
97 1          5          10          15
99 Glu Arg Pro Arg Ala Pro Ala Arg Ser Ala Ser Arg Pro Arg Arg Pro
100          20          25          30
102 Val Glu
105 <210> SEQ ID NO: 5
106 <211> LENGTH: 18
107 <212> TYPE: PRT
108 <213> ORGANISM: Artificial Sequence
110 <220> FEATURE:
111 <223> OTHER INFORMATION: Peptide
113 <400> SEQUENCE: 5
115 Lys Leu Ala Leu Lys Leu Ala Leu Lys Ala Leu Lys Ala Ala Leu Lys
116 1          5          10          15
118 Leu Ala
121 <210> SEQ ID NO: 6
122 <211> LENGTH: 27
123 <212> TYPE: PRT
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Peptide
129 <400> SEQUENCE: 6
131 Gly Ala Leu Phe Leu Gly Trp Leu Gly Ala Ala Gly Ser Thr Met Gly
132 1          5          10          15
134 Ala Trp Ser Gln Pro Lys Lys Lys Arg Lys Val
135          20          25
138 <210> SEQ ID NO: 7
139 <211> LENGTH: 16
140 <212> TYPE: PRT
141 <213> ORGANISM: Artificial Sequence

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OK

## RAW SEQUENCE LISTING

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TIME: 09:59:22

Input Set : A:\ISIC0009-101.txt

Output Set: N:\CRF4\11172003\J700971.raw

143 <220> FEATURE:  
144 <223> OTHER INFORMATION: Peptide  
146 <400> SEQUENCE: 7  
148 Ala Ala Val Ala Leu Leu Pro Ala Val Leu Leu Ala Leu Leu Ala Pro  
149 1 5 10 15  
152 <210> SEQ ID NO: 8  
153 <211> LENGTH: 7  
154 <212> TYPE: PRT  
155 <213> ORGANISM: Artificial Sequence  
157 <220> FEATURE:  
158 <223> OTHER INFORMATION: Peptide  
160 <400> SEQUENCE: 8  
162 Pro Lys Lys Lys Arg Lys Val  
163 1 5  
166 <210> SEQ ID NO: 9  
167 <211> LENGTH: 4  
168 <212> TYPE: PRT  
169 <213> ORGANISM: Artificial Sequence  
171 <220> FEATURE:  
172 <223> OTHER INFORMATION: Peptide  
174 <400> SEQUENCE: 9  
176 Met Leu Phe Tyr  
177 1  
180 <210> SEQ ID NO: 10  
181 <211> LENGTH: 15  
182 <212> TYPE: PRT  
183 <213> ORGANISM: Artificial Sequence  
185 <220> FEATURE:  
186 <223> OTHER INFORMATION: Peptide - FXR2P  
188 <400> SEQUENCE: 10  
190 Pro Gln Arg Arg Asn Arg Ser Arg Arg Arg Arg Phe Arg Gly Gln  
191 1 5 10 15  
194 <210> SEQ ID NO: 11  
195 <211> LENGTH: 7  
196 <212> TYPE: PRT  
197 <213> ORGANISM: Artificial Sequence  
199 <220> FEATURE:  
200 <223> OTHER INFORMATION: Peptide  
202 <400> SEQUENCE: 11  
204 Ile Met Arg Arg Arg Gly Leu  
205 1 5  
208 <210> SEQ ID NO: 12  
209 <211> LENGTH: 11  
210 <212> TYPE: PRT  
211 <213> ORGANISM: Artificial Sequence  
213 <220> FEATURE:  
214 <223> OTHER INFORMATION: Peptide  
216 <400> SEQUENCE: 12  
218 Leu Gln Leu Pro Pro Leu Glu Arg Leu Thr Leu

OK

## RAW SEQUENCE LISTING

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Input Set : A:\ISIC0009-101.txt

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219 1 5 10  
222 <210> SEQ ID NO: 13  
223 <211> LENGTH: 11  
224 <212> TYPE: PRT  
225 <213> ORGANISM: Artificial Sequence  
227 <220> FEATURE:  
228 <223> OTHER INFORMATION: Peptide  
230 <400> SEQUENCE: 13  
232 Glu Leu Ala Leu Lys Leu Ala Gly Leu Asp Ile  
233 1 5 10  
236 <210> SEQ ID NO: 14  
237 <211> LENGTH: 11  
238 <212> TYPE: PRT  
239 <213> ORGANISM: Artificial Sequence  
241 <220> FEATURE:  
242 <223> OTHER INFORMATION: Peptide  
244 <400> SEQUENCE: 14  
246 Asp Ieu Gln Lys Lys Leu Glu Glu Leu Glu Leu  
247 1 5 10  
250 <210> SEQ ID NO: 15  
251 <211> LENGTH: 12  
252 <212> TYPE: PRT  
253 <213> ORGANISM: Artificial Sequence  
255 <220> FEATURE:  
256 <223> OTHER INFORMATION: Peptide  
258 <400> SEQUENCE: 15  
260 Ala Leu Pro His Ala Ile Met Arg Leu Asp Leu Ala  
261 1 5 10  
264 <210> SEQ ID NO: 16  
265 <211> LENGTH: 7  
266 <212> TYPE: PRT  
267 <213> ORGANISM: Artificial Sequence  
269 <220> FEATURE:  
270 <223> OTHER INFORMATION: Peptide  
272 <400> SEQUENCE: 16  
274 Pro Lys Lys Lys Arg Lys Val  
275 1 5  
278 <210> SEQ ID NO: 17  
279 <211> LENGTH: 13  
280 <212> TYPE: PRT  
281 <213> ORGANISM: Artificial Sequence  
283 <220> FEATURE:  
284 <223> OTHER INFORMATION: Peptide  
286 <400> SEQUENCE: 17  
288 Ala Ieu Trp Lys Thr Leu Leu Lys Lys Val Leu Lys Ala  
289 1 5 10  
292 <210> SEQ ID NO: 18  
293 <211> LENGTH: 4  
294 <212> TYPE: PRT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/700,971

DATE: 11/17/2003

TIME: 09:59:22

Input Set : A:\ISIC0009-101.txt

Output Set: N:\CRF4\11172003\J700971.raw

295 &lt;213&gt; ORGANISM: Artificial Sequence

297 &lt;220&gt; FEATURE:

298 &lt;223&gt; OTHER INFORMATION: Peptide

300 &lt;400&gt; SEQUENCE: 18

302 Lys Asp Glu Leu

303 1

305 &lt;210&gt; SEQ ID NO: 19

306 &lt;211&gt; LENGTH: 21

307 &lt;212&gt; TYPE: DNA

308 &lt;213&gt; ORGANISM: Artificial Sequence

310 &lt;220&gt; FEATURE:

311 &lt;223&gt; OTHER INFORMATION: oligonucleotide

313 &lt;400&gt; SEQUENCE: 19

314 cgagaggcgg acgggaccgt t

21

317 &lt;210&gt; SEQ ID NO: 20

318 &lt;211&gt; LENGTH: 21

319 &lt;212&gt; TYPE: DNA

320 &lt;213&gt; ORGANISM: Artificial Sequence

322 &lt;220&gt; FEATURE:

323 &lt;223&gt; OTHER INFORMATION: oligonucleotide

325 &lt;400&gt; SEQUENCE: 20

326 ttgctctccg cctgccctgg c

21

329 &lt;210&gt; SEQ ID NO: 21

330 &lt;211&gt; LENGTH: 21

331 &lt;212&gt; TYPE: DNA

332 &lt;213&gt; ORGANISM: Artificial Sequence

334 &lt;220&gt; FEATURE:

335 &lt;223&gt; OTHER INFORMATION: oligonucleotide - cRaf targeter

337 &lt;400&gt; SEQUENCE: 21

338 augcauguca caggcgggat t

21

341 &lt;210&gt; SEQ ID NO: 22

342 &lt;211&gt; LENGTH: 21

343 &lt;212&gt; TYPE: DNA

344 &lt;213&gt; ORGANISM: Artificial Sequence

346 &lt;220&gt; FEATURE:

347 &lt;223&gt; OTHER INFORMATION: oligonucleotide - cRaf targeter

349 &lt;400&gt; SEQUENCE: 22

350 ucccgccugu gacaugcaut t

21

353 &lt;210&gt; SEQ ID NO: 23

354 &lt;211&gt; LENGTH: 18

355 &lt;212&gt; TYPE: DNA

356 &lt;213&gt; ORGANISM: Artificial Sequence

358 &lt;220&gt; FEATURE:

359 &lt;223&gt; OTHER INFORMATION: antisense oligonucleotide

361 &lt;400&gt; SEQUENCE: 23

362 tgggagccat agcgaggc

18

365 &lt;210&gt; SEQ ID NO: 24

366 &lt;211&gt; LENGTH: 20

367 &lt;212&gt; TYPE: DNA

*Please correct this type of error  
in subsequent sequences*

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/700,971

DATE: 11/17/2003

TIME: 09:59:23

Input Set : A:\ISIC0009-101.txt

Output Set: N:\CRF4\11172003\J700971.raw

L:17 M:270 C: Current Application Number differs, Replaced Current Application No

L:17 M:271 C: Current Filing Date differs, Replaced Current Filing Date